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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: [year=2008; month=7; day=14; hr=10; min=25; sec=0; ms=420;]

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Application No: 10714887 Version No: 2.0

Input Set:**Output Set:**

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Finished: 2008-06-11 22:45:52.570
Elapsed: 0 hr(s) 0 min(s) 17 sec(s) 327 ms
Total Warnings: 111
Total Errors: 0
No. of SeqIDs Defined: 704
Actual SeqID Count: 704

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Input Set:

Output Set:

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Total Warnings: 111
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No. of SeqIDs Defined: 704
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Error code	Error Description
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SEQUENCE LISTING

<110> Mendel Biotechnology, Inc.
HEARD, Jacqueline
RIECHMANN, Jose Luis
CREELMAN, Robert
RATCLIFFE, Oliver
CANALES, Roger
REPETTI, Peter
KUMIMOTO, Roderick W
GUTTERSON, Neal
REUBER, T. Lynne
PINEDA, Omaira
SHERMAN, Bradley K

<120> PLANT TRANSCRIPTIONAL REGULATORS OF DROUGHT STRESS

<130> MBI0058-CIP

<140> 10714887

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<170> PatentIn version 3.2

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<223> G47 polypeptide reference sequence; clade identifier

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20 25 30

Gly Thr Arg Asp Arg Leu Trp Leu Gly Ser Phe Ser Thr Ala Glu Gly
35 40 45

Ala Ala Val Ala His Asp Val Ala Phe Phe Cys Leu His Gln Pro Asp
50 55 60

Ser Leu Glu Ser Leu Asn Phe Pro His Leu Leu Asn Pro Ser Leu Val
65 70 75 80

Ser Arg Thr Ser Pro Arg Ser Ile Gln Gln Ala Ala Ser Asn Ala Gly
85 90 95

Met Ala Ile Asp Ala Gly Ile Val His Ser Thr Ser Val Asn Ser Gly
100 105 110

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115 120 125

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<213> *Arabidopsis thaliana*

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<223> G922 reference sequence; clade identifier

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<213> Arabidopsis thaliana

<220>

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15

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Leu Ala Ser Ser Ser Pro Phe His Cys Leu Lys Asp Leu Lys Pro Glu
35 40 45

Glu Arg Gly Leu Tyr Leu Ile His Leu Leu Leu Thr Cys Ala Asn His
50 55 60

Val Ala Ser Gly Ser Leu Gln Asn Ala Asn Ala Ala Leu Glu Gln Leu
65 70 75 80

Ser His Leu Ala Ser Pro Asp Gly Asp Thr Met Gln Arg Ile Ala Ala
85 90 95

Tyr Phe Thr Glu Ala Leu Ala Asn Arg Ile Leu Lys Ser Trp Pro Gly
100 105 110

Leu Tyr Lys Ala Leu Asn Ala Thr Gln Thr Arg Thr Asn Asn Val Ser
115 120 125

Glu Glu Ile His Val Arg Arg Leu Phe Phe Glu Met Phe Pro Ile Leu
130 135 140

Lys Val Ser Tyr Leu Leu Thr Asn Arg Ala Ile Leu Glu Ala Met Glu
145 150 155 160

Gly Glu Lys Met Val His Val Ile Asp Leu Asp Ala Ser Glu Pro Ala
165 170 175

Gln Trp Leu Ala Leu Leu Gln Ala Phe Asn Ser Arg Pro Glu Gly Pro
180 185 190

Pro His Leu Arg Ile Thr Gly Val His His Gln Lys Glu Val Leu Glu
195 200 205

Gln Met Ala His Arg Leu Ile Glu Glu Ala Glu Lys Leu Asp Ile Pro
210 215 220

Phe Gln Phe Asn Pro Val Val Ser Arg Leu Asp Cys Leu Asn Val Glu
225 230 235 240

Gln	Leu	Arg	Val	Lys	Thr	Gly	Glu	Ala	Leu	Ala	Val	Ser	Ser	Val	Leu	245	250	255
Gln	Leu	His	Thr	Phe	Leu	Ala	Ser	Asp	Asp	Asp	Leu	Met	Arg	Lys	Asn	260	265	270
Cys	Ala	Leu	Arg	Phe	Gln	Asn	Asn	Pro	Ser	Gly	Val	Asp	Leu	Gln	Arg	275	280	285
Val	Leu	Met	Met	Ser	His	Gly	Ser	Ala	Ala	Glu	Ala	Arg	Glu	Asn	Asp	290	295	300
Met	Ser	Asn	Asn	Asn	Gly	Tyr	Ser	Pro	Ser	Gly	Asp	Ser	Ala	Ser	Ser	305	310	315
Leu	Pro	Leu	Pro	Ser	Ser	Gly	Arg	Thr	Asp	Ser	Phe	Leu	Asn	Ala	Ile	325	330	335
Trp	Gly	Leu	Ser	Pro	Lys	Val	Met	Val	Val	Thr	Glu	Gln	Asp	Ser	Asp	340	345	350
His	Asn	Gly	Ser	Thr	Leu	Met	Glu	Arg	Leu	Leu	Glu	Ser	Leu	Tyr	Thr	355	360	365
Tyr	Ala	Ala	Leu	Phe	Asp	Cys	Leu	Glu	Thr	Lys	Val	Pro	Arg	Thr	Ser	370	375	380
Gln	Asp	Arg	Ile	Lys	Val	Glu	Lys	Met	Leu	Phe	Gly	Glu	Glu	Ile	Lys	385	390	395
Asn	Ile	Ile	Ser	Cys	Glu	Gly	Phe	Glu	Arg	Arg	Glu	Arg	His	Glu	Lys	405	410	415
Leu	Glu	Lys	Trp	Ser	Gln	Arg	Ile	Asp	Leu	Ala	Gly	Phe	Gly	Asn	Val	420	425	430
Pro	Leu	Ser	Tyr	Tyr	Ala	Met	Leu	Gln	Ala	Arg	Arg	Leu	Leu	Gln	Gly	435	440	445
Cys	Gly	Phe	Asp	Gly	Tyr	Arg	Ile	Lys	Glu	Glu	Ser	Gly	Cys	Ala	Val	450	455	460

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465 470 475 480

Arg Lys

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<213> Arabidopsis thaliana

<220>
<223> G1274 reference sequence; clade identifier

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Glu Asn Phe Ile Asn Pro Phe Met Asp Asn Asn Asp Phe Ser Asn Leu
20 25 30

Met Phe Phe Asp Ile Asp Glu Gly Gly Asn Asn Gly Leu Ile Glu Glu

35

40

45

Glu Ile Ser Ser Pro Thr Ser Ile Val Ser Ser Glu Thr Phe Thr Gly
 50 55 60

Glu Ser Gly Gly Ser Gly Ser Ala Thr Thr Leu Ser Lys Lys Glu Ser
 65 70 75 80

Thr Asn Arg Gly Ser Lys Glu Ser Asp Gln Thr Lys Glu Thr Gly His
 85 90 95

Arg Val Ala Phe Arg Thr Arg Ser Lys Ile Asp Val Met Asp Asp Gly
 100 105 110

Phe Lys Trp Arg Lys Tyr Gly Lys Lys Ser Val Lys Asn Asn Ile Asn
 115 120 125

Lys Arg Asn Tyr Tyr Lys Cys Ser Ser Glu Gly Cys Ser Val Lys Lys
 130 135 140

Arg Val Glu Arg Asp Gly Asp Asp Ala Ala Tyr Val Ile Thr Thr Tyr
 145 150 155 160

Glu Gly Val His Asn His Glu Ser Leu Ser Asn Val Tyr Tyr Asn Glu
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Met Val Leu Ser Tyr Asp His Asp Asn Trp Asn Gln His Ser Leu Leu
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Arg Ser

<210> 7

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caagcaagct cgtttccggg gagttcgaag aaggccttgg ggaaagtttg cagcagagat 180

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Ala Glu Ile Arg Asp Pro Ser Arg Asn Gly Ala Arg Leu Trp Leu Gly
35              40              45

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Thr Phe Glu Thr Ala Glu Glu Ala Ala Arg Ala Tyr Asp Arg Ala Ala
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Phe Asn Leu Arg Gly His Leu Ala Ile Leu Asn Phe Pro Asn Glu Tyr
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Ser Ser Ser Ser Ser Ser Gly Ser Thr Ser Thr Asn Val Ser Arg Gln
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<213> Arabidopsis thaliana

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20 25 30

Val Asp Arg Val Ile Ser Thr Val Thr Ile Arg Ser Phe Asp Pro Trp
35 40 45

Glu Leu Pro Cys Gln Ser Arg Ile Lys Leu Lys Asp Glu Ser Trp Cys
50 55 60

Phe Phe Ser Pro Lys Glu Asn Lys Tyr Gly Arg Gly Asp Gln Gln Ile
65 70 75 80

Arg Lys Thr Lys Ser Gly Tyr Trp Lys Ile Thr Gly Lys Pro Lys Pro
85 90 95

Ile Leu Arg Asn Arg Gln Glu Ile Gly Glu Lys Lys Val Leu Met Phe
100 105 110

Tyr Met Ser Lys Glu Leu Gly Gly Ser Lys Ser Asp Trp Val Met His
115 120 125

Glu Tyr His Ala Phe Ser Pro Thr Gln Met Met Met Thr Tyr Thr Ile
130 135 140

Cys Lys Val Met Phe Lys Gly Asp Val Arg Glu Ile Ser Ser Ser Ser
145 150 155 160

Ala Ser Tyr Gly Ser Glu Ile Glu Gln Ser Arg Asp Ser Leu Ile Pro
165 170 175

Leu Leu Val Asn Asp Ser Glu Glu Glu Ala Gln Ile Glu Asp Ala Ile
180 185 190

Pro Ile Glu Glu Trp Glu Thr Trp Leu Thr Asp Asp Gly Val Asp Glu

195

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Gln Val Asn His Ile Met Asn Met Lys A